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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/646,533
		Filing Date	08/22/2003
		First Named Inventor	Kenneth COLLINS
		Art Unit	2813
		Examiner Name	Jack S. Chen
Total Number of Pages in This Submission	5	Attorney Docket Number	006915/P02

### ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Law Office of Robert M. Wallace		
Signature			
Printed name	Robert M. Wallace		
Date	02/08/2006	Reg. No.	29,119

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature		
Typed or printed name	Shelly Hart	Date

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 180.00)

### Complete if Known

Application Number	10/646,533
Filing Date	08/22/2003
First Named Inventor	Kenneth COLLINS
Examiner Name	Jack S. Chen
Art Unit	2813
Attorney Docket No.	006915/P02

### METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 50-0338 Deposit Account Name: Michaelson & Wallace

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayments of fee(s)  Credit any overpayments  
 under 37 CFR 1.16 and 1.17

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES	
	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity
Utility	300	150	500	250	200	100
Design	200	100	100	50	130	65
Plant	200	100	300	150	160	80
Reissue	300	150	500	250	600	300
Provisional	200	100	0	0	0	0

#### 2. EXCESS CLAIM FEES

##### Fee Description

Each claim over 20 (including Reissues)

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Small Entity	Fee (\$)	Fee (\$)
- 20 or HP =	x	=		50	25	

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	=		200	100	

HP = highest number of independent claims paid for, if greater than 3.

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Submission of Information Disclosure Statement under 37 CFR 1.97(c)

\$180.00

### SUBMITTED BY

Signature	<i>Robert M. Wallace</i>	Registration No. 29,119 (Attorney/Agent)	Telephone 805-644-4035
Name (Print/Type)	Robert M. Wallace	Date 02/08/2006	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**CERTIFICATE OF MAILING**  
I hereby certify that this paper and every  
paper referred to therein as being enclosed  
is deposited with the U.S. Postal Service  
as first class mail, postage prepaid, in  
an envelope addressed to Commissioner  
for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on February 8, 2006 (Date of Deposit)

02/08/06 Shelley K. Hart

Date Name



PATENT

Attorney Docket No.: 006915/P02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Kenneth COLLINS, et al.

)  
Group Art Unit: 2813

Entitled: PLASMA IMMERSION ION  
IMPLANTATION PROCESS USING A PLASMA  
SOURCE HAVING LOW DISSOCIATION  
AND LOW MINIMUM PLASMA VOLTAGE

)  
Examiner: Jack S. Chen  
)  
)  
)

Serial No.: 10/646,533

)  
)

Filing Date: August 22, 2003

)  
)

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97(c)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 CFR 1.56, the references listed below and on the attached form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. A copy of each foreign patent document and/or non-patent literature is enclosed.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a final action or the notice of allowance. Please see the attached USPTO Fee Transmittal for fee payment.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

Respectfully submitted,



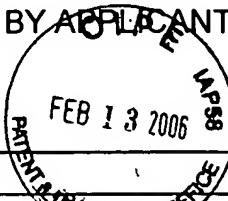
Dated: 02/08/2006

Robert M. Wallace  
Reg. No. 29,119  
Attorney for Applicants  
Customer No. 000044843

Robert M. Wallace  
Patent Attorney  
2112 Eastman Avenue, Suite 102  
Ventura, CA 93003  
(805) 644-4035

INFORMATION  
DISCLOSURE  
STATEMENT BY APPLICANT

Sheet 1 of 1



Application Number: 10/646,533  
 Filing Date: 08/22/2003  
 First Named Inventor: Kenneth COLLINS, et al.  
 Group Art Unit: 2813  
 Examiner Name: Jack S. Chen  
 Attorney Docket Number: 006915/P02

U. S. PATENT DOCUMENTS

Examiner Initials	Document No	Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date
	US-4,176,003	11-27-1979	BROWER ET AL.	430	313	02-22-1978
	US-4,579,618	04-01-1986	CELESTINO ET AL.	156	345	10-29-1984
	US-5,229,305	07-20-1993	BAKER	437	11	02-03-1992
	US-5,885,358	03-23-1999	MAYDAN ET AL.	118	723	07-09-1996
	US-5,958,140	09-28-1999	ARAMI ET AL.	118	725	07-26-1996
	US-5,897,713	04-27-1999	TOMIOKA ET AL.	118	723	09-17-1996
	US-6,121,161	09-19-2000	ROSSMAN ET AL.	438	783	01-19-1999
	US-6,180,496 B1	01-30-2001	FARRENS ET AL.	438	455	08-28-1998
	US-6,387,719 B1	05-14-2002	MVROS ET AL.	438	21	02-28-2001
	US-6,432,260 B1	08-13-2002	MAHONEY ET AL.	156	345.35	08-07-2000
	US-6,492,612 B1	12-10-2002	TAGUCHI ET AL.	219	121.43	07-13-2000
	US-6,643,557 B1	11-04-2003	MILLER ET AL.	700	110	07-09-2000
	US-6,645,828 B1	11-11-2003	FARRENS ET AL.	438	455	09-08-2000
	US-6,780,759 B2	08-24-2004	FARRENS ET AL.	438	635	10-01-2001
	US 2003/0029567 A1	02-13-2003	DHINDSA ET AL.	156	345.47	12-31-2001
	US 2003/0211705 A1	11-23-2003	TONG ET AL.	438	455	06-13-2003
	US 2004/0036038 A1	02-26-2004	OKUMURA ET AL.	250	492.2	07-13-2003
	US 2004/0092084 A1	05-13-2004	RAYSSAC	438	455	10-30-2003
	US 2004/0126993 A1	07-01-2004	CHAN ET AL.	438	455	12-30-2002

FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document	Publication Date	Country	Name of Patentee or Applicant of Cited Document	Translation? (Yes/No/n/a)
	EP 1 054 433 A1	22.11.2000	EUROPE	OHIRA, KOUCHI, ET AL.	N/A
	JP 04318168 A	11.09.1992	JAPAN	KUWABARA HAJIME	N/A
	JP 07130496 A	19.05.1995	JAPAN	KAZUMICHI SUZUKI	N/A
	JP 09186337 A	15.07.1997	JAPAN	NAKAHORI MASAKI	N/A

NON PATENT LITERATURE DOCUMENTS

Chediak, Alex, et al., "SIMOX - The "Winner" for 300 mm SOI Wafer Fabrication", T/CS 5, April 26, 2002, pp. 1-6.

Examiner's Signature:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.